(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 23 June 2005 (23.06.2005)

PCT

(10) International Publication Number WO 2005/057074 A1

(51) International Patent Classification7:

F16L 41/04

(21) International Application Number:

PCT/KR2004/003232

(22) International Filing Date:

10 December 2004 (10.12,2004)

(25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data: 10-2003-0089561

> 10 December 2003 (10.12.2003) KR

10-2004-0043623 10-2004-0103783 14 June 2004 (14.06.2004) KR

9 December 2004 (09.12.2004) KR (71) Applicant and

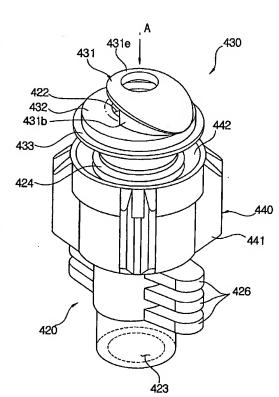
(72) Inventor: JEONG, In-Yeol [KR/KR]; 307-603, Olympic Seonsuchon Apt., 89, Bangi-dong, Songpa-gu, Seoul 138-050 (KR).

(74) Agent: CHUN, Hoy-Nam; Shinwon Bldg., 5F. 648-15, Yeoksam-dong, Gangnam-gu, Seoul 135-911 (KR).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: ADAPTER FOR BRANCHING A HOSE



(57) Abstract: Disclosed is an adapter for branching a hose, in which a plurality of manifolds are connected to a flexible hose to diverge fluid passing though the hose to various direction. The present invention provides adapters of a first aspect related to a head of the adapter for branching a hose and its modifications, in which the head is inserted into one of holes formed at the hose, and a second aspect related to an inserting unit of the head of the adapter for branching a hose and its modifications such that the head can be easily inserted to one of the holes of the hose. The adapter includes a body shaped as a pipe, a head and a coupling unit. The body includes a passage therein, an inlet inserted into the hose, and an outlet connected to the manifold, which is protruded from the hose when the adapter is installed to the hose. The head formed at the inlet side of the body is insertedly connected to the hole of the hose. The coupling unit is formed at the outer surface of the body. The adapter can be easily connected to even a flat folded hose and can prevent fluid from leaking based on tight sealing.

WO 2005/057074 A1

GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.